



Bids and Awards Committee I

SUBJECT : **BID BULLETIN No. 1**

PROJECT NO. : **2021c-ICTS3(006)-BI-CB-027**

PROJECT : **Procurement of Network Connectivity Solution to
Department of Education**

ABC : **Php 700,000,000.00**

DATE : **October 27, 2021**

This Bid Bulletin is hereby issued for the information and guidance of all prospective bidders and shall form an integral part of the bidding documents issued earlier for the above project.

I. Section I. Invitation to Bid

| | Original Provision | Provision as Amended |
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| Item No.1, page 8 of the Bidding Documents | Lot No. 3 Project Description Supply, Delivery, Installation, Configuration and Maintenance of SDWAN (Software-Defined Wide-Area Network for 500 Identified Schools and 1 Co-Location Facility | Lot No. 3 Project Description Supply, Delivery, Installation, Configuration and Maintenance of SDWAN (Software-Defined Wide-Area Network for 805 Identified Schools and 1 Co-Location Facility |
| Item No. 7, page 10 of the Bidding Documents | 7. Bids must be duly received by the BAC Secretariat on or before 10:00 A.M. of October 28, 2021 at Bulwagan ng Karunungan, Ground Floor, Rizal Building, DepEd Complex, Meralco Ave., Pasig City. Late bids shall not be accepted. | 7. Bids must be duly received by the BAC Secretariat on or before 9:00 A.M. of November 4, 2021 at BCD Conference Room, 3/F, Bonifacio Building, DepEd Complex, Meralco Ave., Pasig City. Late bids shall not be accepted . |
| Item No. 9, page 10 of the Bidding Documents | 9. Bid opening shall be on October 28, 2021, 10:00 A.M. at Bulwagan ng Karunungan, Ground Floor, Rizal Building, DepEd Complex, Meralco Ave., Pasig City. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity. XXX | 9. Bid opening shall be on November 4, 2021, 9:00 A.M. at BCD Conference Room, 3/F, Bonifacio Building, DepEd Complex, Meralco Ave., Pasig City. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity. XXX |

II. Section III. Bid Data Sheet

| | Original Provision | Provision as Amended |
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| ITB Clause 5.3, page 20 of the Bidding Documents | <p>For the purpose of the track-record requirement, contracts similar to the Project shall refer to:</p> <p>Lot 1: “Supply and Delivery of Very Small Aperture Terminal (VSAT)” Lot 2: “Supply and Delivery of Data Transport Service and/or Internet Service Solution” Lot 3: “Supply and Delivery of Software Defined Wide Area Network (SDWAN)”</p> <p>xxx</p> | <p>For the purpose of the track-record requirement, contracts similar to the Project shall refer to:</p> <p>Lot 1: “Supply and Delivery of Very Small Aperture Terminal (VSAT)” Lot 2: “Supply and Delivery of Data Transport Service and/or Internet Service Solution” Lot 3: “Supply and Delivery of ICT Solutions”</p> <p>xxx</p> |

III. Section V. Special Conditions of Contract

| | Original Provision | Provision as Amended |
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| GCC Clause 2.2, pages 33-34 of the Bidding Documents | <p>Schedule of Payment:</p> <p>xxx</p> <p>Lot 1</p> <p>Please see attached Annex A-1 for the table</p> <p>xxx</p> | <p>Schedule of Payment:</p> <p>xxx</p> <p>Lot 1</p> <p>Please see attached Annex A-2 for the table</p> <p>xxx</p> |

IV. Section VI. Schedule of Requirements

| | Original Provision | Provision as Amended |
|---------------------|--|--|
| Lot No. 3, A. p. 48 | <p>A. The delivery schedule expressed below stipulates the date of delivery to the project site.</p> <p>Supply, Delivery, Installation, Configuration and Maintenance of</p> | <p>A. The delivery schedule expressed below stipulates the date of delivery to the project site.</p> <p>Supply, Delivery, Installation, Configuration and Maintenance of</p> |

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| | SDWAN (Software-Defined Wide-Area Network) for 500 Identified Schools and 1 Co-Location Facility xxx | SDWAN (Software-Defined Wide-Area Network) for 805 Identified Schools and 1 Co-Location Facility xxx |
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V. Section VII. Technical Specifications

| | Original Provision | Provision as Clarified |
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| Lot No. 1, Detailed Specifications, pages 153-161 | Lot 1 Detailed Technical Specifications: Please see attached B-1 for the table | Lot 1 Detailed Specifications: Please see attached B-2 for the table |
| Lot No. 2, Detailed Specifications, page 162 | Lot 2 Detailed Technical Specifications: Bidder's Actual Officer xxx | Lot 2 Detailed Technical Specifications: Bidder's Actual Offer xxx |
| Lot No. 3, Detailed Specifications, pages 168-178 | Lot 3 Detailed Technical Specifications: Please see attached C-1 for the table | Lot 3 Detailed Technical Specifications: Please see attached C-2 for the table |

VI. Section VIII. Checklist of Technical and Financial Documents

| | Original Provision | Provision as Clarified |
|---|---|--|
| Annex D, Lot 3, page 189 of the bidding documents | Lot No. 3- Supply, Delivery, Installation, Configuration and Maintenance of SDWAN (Software-Defined Wide-Area Network) for 500 Identified Schools and 1 Co-Location Facility xxx | Lot No. 3- Supply, Delivery, Installation, Configuration and Maintenance of SDWAN (Software-Defined Wide-Area Network) for 805 Identified Schools and 1 Co-Location Facility xxx |

VII. Please be guided by the following Annexes:

- a. Please find the attached Annex D- List of Recipient Schools
- b. Please find the attached revised Annex E- Bidder's Information Sheet
- c. Please find the attached revised Annex F- Price Schedule Form

VIII. As herewith enclosed, the clarifications of the BAC in response to the queries of the prospective bidders, who attended the Pre-bid Conference last October 15, 2021, form part of this Supplemental Bid Bulletin.

All other provisions of the Bidding Documents not herein modified shall remain in full force and effect.

For your information and guidance.



ALAIN DEL E. PASCUA
Undersecretary and BAC I Chairperson

CLARIFICATIONS TO THE QUERIES OF THE PROSPECTIVE BIDDERS

| Item No. | Clarification | BAC's Response |
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| 1 | <p>Do you suggest to deliver all units for the 2000 sites within 20 days? Which is in contrast with page 209 (3) which is 120 days, under the Draft Contract Agreement.</p> <p>a. Given the current situation, do we have allowances as regards shipping, delivery, availability of goods, considering that lockdown levels are different in the various areas to be service</p> <p>b. Could we postponed or suspend the delivery period should there be sudden restrictions and lockdowns in a particular area/region.</p> | <p>Please refer to the Schedule of Requirements for the delivery period.</p> <p>This fund is from FY 2020 and the fund will lapse on December 31, 2021.</p> <p>a & b. None, due to lapsing of funds on the end of the year.</p> |
| 2 | <p>It is also worth taking note that the lead time for project implementation of UNDP's 3000 sites is 10 months while DICT's 1,035 sites is 180 days</p> | <p>This fund is from FY 2020 and the fund will lapse on December 31, 2021.</p> |
| 3 | <p>The delivery deadline of thirty (30) calendar days is quite not possible given that we are still on a pandemic state. Thus, safety health protocols implemented by those LGUs concerning the delivery and installation sites are uncertain and this will have a big impact on our implementation timeline.</p> | <p>This fund is from FY 2020 and the fund will lapse on December 31, 2021.</p> |
| 4 | <p>The current requested delivery schedule of 20 days from NTP for 2,000 sites is unrealistic and not possible. This puts a tremendous risk to the project especially the deployment is nationwide. It is physically unrealistic to ship 2,000 terminals nationwide, just the logistics alone will take more than 20 days. In addition to this, we are coming to the December period, which is also a holiday season. Please reconsider a realistic schedule that can allow the project to succeed, rather than fail even before its started. A delivery of 2,000 sites nationwide is a project that would at least take 6 – 8 months for VSAT deployment. We strenuously request the BAC to change to a more realistic schedule.</p> | <p>This fund is from FY 2020 and the fund will lapse on December 31, 2021.</p> |
| 5 | <p>Since there is internet Connectivity requirement for throughput testing of 305 sites, please confirm if the Internet will be provided by the winning bidder?</p> | <p>Yes, please see the reference below:</p> <p>Lot 2 - Detailed Technical Specifications, item no. 9 (Page 162 of the Bidding Documents):</p> <p>" The proposed solution MUST be able to provide a minimum of 10 Mbps symmetric or better connection between DepEd's Division Office and every public school under the division cluster or group. "</p> |

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| 6 | Since there is internet and will be distributed to the 305 sites, do you have router/ any equipment to do this? If not, who will provide this? | Yes, please see the reference below: III. Technical Specifications, Point-to-Multipoint Fiber Connection for Region III , Item no. 6 (Page 164 of Bid Docs) : " The service provider must provide a modem per site. " |
| 7 | Please provide GPS coordinates of schools. | Yes, will provide. Please see "Annex D-List of Recipient with Coordinates". |
| 8 | <p>Page 154, 1.a</p> <p>For the Satellite capacity, the tender document states that "With a minimum of one transponder pooled capacity for inbound and outbound" This statement doesn't clarify the size of Transponder. Various Satellites have different size of transponders, it can be 27MHz, or 36MHz, or 54MHz or 72MHz or even larger in modern High Throughput Satellites. By just saying "transponder" the document doesn't quantify the required bandwidth for VSAT network. Without clearly knowing as how much bandwidth is required, no one can offer the price of bandwidth. Without knowing the bandwidth sizing & traffic profiling, no one can estimate the size of BUC at remotes and configuration of VSAT HUB. Apart from it, there is no bandwidth defined for Inbound and Outbound. The best way to accurately quantify the bandwidth is to define the Peak or Maximum information rate (MIR) and Committed information rate (CIR) per VSAT. For example, 10Mbps/3Mbps MIR and 2Mbps/512Kbps CIR per VSAT clearly defines the bandwidth requirements for whole network, then for 2000 VSATs a bidder can estimate the total required bandwidth and can do the sizing and costing of VSAT HUB also. Size of BUC also can be determined if MIR and CIR per VSAT is clearly defined. The other method to determine the accurate bandwidth is to define the total Outbound and Inbound bandwidth in Mbps, for example total 800Mbps Outbound and 200Mbps Inbound, is a clear information about required bandwidth to be shared by 2000 VSATs. Based on a clear Outbound and Inbound information, the bidder can determine the required MHz capacity on a specific Satellite to lease. Hence the information about bandwidth must be clear.</p> | A 36 mhz transponder shall be the minimum size. The Peak Information rate and Minimum Information Rate for Outroute and Inroute shall be proposed by the bidder based on their optimal design. |
| 9 | <p>Page 154, 1.a</p> <p>Please clarify is the capacity required is one (1) transponder – what do you mean by minimum? It could be more than 1 transponder?</p> <ul style="list-style-type: none"> • Is this a 36Mhz transponder or 54MHz transponder? | |
| 10 | Page 154, 1.a | |

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| | Please provide the required details of Service plan for site i.e. download & upload speed or Define the CIR (Committed Information rate) & PIR (Peak Information Rate) per site, which will help to calculate the required Bandwidth- both in Mbps and MHz. | |
| 11 | Page 154, 1.a Please clarify is the capacity required is one (1) transponder – what do you mean by minimum? It could be more than 1 transponder? • Is this a 36Mhz transponder or 54MHz transponder? | 36 mhz as a minimum capacity. |
| 12 | Page 155, Clause No.3 Please clarify the required satellite availability. Is it 93% as stated or different? | The 93% is the satellite network availability, the sharing of the proposed pooled capacity shall be finalized during the EDR. |
| 13 | Page 155, Clause No.3 What is the satellite availability required? Is it 93% as stated below? Please clarify. “The managed internet broadband services of pooled transponder capacity. System reliability and service availability shall not be lower than 93% at any given time of the day. Transponder allocation for outbound and inbound capacity shall be finalized during the Engineering and Design Review (EDR).” | |
| 14 | Page 155, Clause 9 The RFP calls for 20% inroute spacing whereas the latest technology allows much lower spacing such as 10% or lower to achieve higher spectral efficiency. This have to be changed to 10% or lower | Recipient site modem must have a roll-off factor down to 20% for in routes. |
| 15 | Page 155, Clause 10 The RFP calls for both DVB-S2 & DVB-S2X whereas all latest technologies supports DVB-S2X as standard for Downstream which allows much more flexibility in service plan definition and delivers higher efficiency. Please consider changing this and read the clause this as “Recipient site modem should support latest DVB standard i.e., S2X in the hub.” | Recipient site modem should support both S2 and S2X in the same HUB. |
| 16 | Page 155, Clause 10 Please clarify if DEPED expects the modem to support S2 and S2X both, as this will provide flexibility and investment protection with the support for multiple technologies within the same offered modem. | |
| 17 | Page 155, Clause 10 Please clarify if DEPED anticipates the use of more powerful High-Through put Satellites in the future | Technical Specifications |

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| | that may require the network to support higher modulations of up to 256APSK on the forward and 16QAM on the return, for achieving higher bandwidth efficiencies/Data rates. The key benefit is with the current hardware, the higher modulations brings the investment protection for working with High throughput Satellites & Data Rates in future. | DVB-S2X with 5% Roll-off up to 256 APSK and A-TDMA waveform with up to 16QAM. |
| 18 | <p>The RFP calls for A-TDMA whereas the recent technology innovation includes dynamic MF-TDMA with ACM/AID and dynamic inroute configuration which is far more efficient than A-TDMA. Please consider changing this to Dynamic inroute configuration with ACM.</p> <p>Return channel modulation could be 16APSK which is far more than 16QAM in terms of power efficiency. Please consider changing this Upstream Modulation to allow 16APSK as well.</p> <p>The RFP Calls for upto 256-APSK modulation in Downstream, which is on maximum side of modulations and applicable for limited scenarios further which depends on many factors i.e. satellite power, remote terminal configuration etc. So considering a practical implementation approach, May we please request to change and read this clause this as “DVB-S2X with 5% Roll-off up to 64APSK or higher. This will allow DepEd to have much more flexibility in terms of implementation and achieve the desired goals.</p> | |
| 19 | <p>Page 156</p> <p>With the given range of Satellite Orbital Arc from 60E to 170E in Satellite Specifications, only few satellite transponders can provide a 60 degrees Elevation Look Angle. Or maybe omit this line and let the bidders choose any satellite as long as it can provide an efficient link</p> | Elevation Look angle: 60 degree |
| 20 | <p>Page#156, (Minimum / or Equivalent Satellite Specifications), Point#5 which states the “Satellite orbital arc: 60E to 170E” but on the same page under Minimum Remote Antenna (Fixed), the Point#6 states the “Elevation Look angle: 60 degree” for remote Antenna. These two specifications of Satellite orbital Arc and Minimum Antenna Elevation angle, are contradictory. If you specify the Satellite orbital arc from 60 Degree East to 170 Degree East, then it is not possible to achieve minimum 60 Degree Elevation Angle on every Satellites within the Arc of 60 Degree East to 170 Degree East, therefore the “Point#6 Elevation Look angle: 60 degree”, must be removed in order to comply the “Point#5 Satellite orbital arc: 60E to 170E” by bidders who are planning to offer a</p> | |

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| | Satellite in the Arc of 60 Degree East to 170 Degree East. | |
| 21 | For elevation look angle to be 60 deg. This is conflicting with your requirement above on the satellite orbital arc which accepts the range of 60E to 170E. Reason being, 60E supports an elevation angle of 17 deg and E170E supports an elevation angle for 35 deg. Our suggestion sync both start and end to support at least 17 deg of elevation angle with satellite orbital arc from 60E to 188E, this will in turn provide more competitive offers for you to choose. | Elevation Look angle: 60 degree |
| 22 | Confirm the priority of the DepEd between orbital slot (60-170 degrees East) vs. elevation angle of 60 degrees <ul style="list-style-type: none"> For satellites at the edges of the stated orbital slots, it will likely not be possible to get an elevation angle of 60 degrees | |
| 23 | On page 156 for transmit frequency, would you accept if our proposal is for transmit frequency of 13 to 13.25 GHz? The reason for this proposal is because we believe the end objective is to provide a connectivity with the stipulated SLA for end users (schools) and not limited your options with the following guidelines? | Uplink freq: Transmit (Ku): 13.75 to 14.80GHz |
| 24 | Ku Uplink Frequency - request to extend the Tx frequency band range to 14.0-14.80GHz <ul style="list-style-type: none"> To give prospective bidders a wider range of Ku band capacity to deliver as a service to the DepEd | |
| 25 | <u>Downstream symbol rate - 5 to 100Mmps</u> The latest technology supports higher symbol rates upto 200+ Mmps with single stream. This provides investment protection in the future to expand and scale the network to deliver higher speed broadband service to the users. Please consider changing this Downstream Symbol rate as 5Mmps to 200 Mmps or higher. <u>Upstream symbol rate- 128Kmps – 7.5Mmps</u> Based on our experience, operating a network with lower symbol rate TDMA channel does not achieve statistical multiplexing gain due to lesser terminal sharing the channel. Higher the symbol rate is much efficient and the latest technology supports symbol rates from 1Mmps to 12Mmps or higher to support higher return channel service plan. This is critical for DepEd network due to large number of users at each school site. Please consider changing this Upstream Symbol rate as 1Mmps to 12 Mmps or higher. | 1. Network Topology: DVB-S2*/S2X* with Adaptive TDMA Returns 2. Modulation Downstream DVB-S2X*/ACM - QPSK, 8PSK, 16APSK, 32APSK, 64APSK, 128APSK, 256APSK DVB-S2*/ACM - QPSK, 8PSK, 16APSK, 32APSK, Upstream Adaptive TDMA - BPSK, QPSK, 8PSK, 16QAM* 3. Symbol Rates Downstream DVB-S2X - 5 to 100 Mmps DVB-S2 - 1-45 Mmps Upstream 128 kmps to 7.5 Mmps |
| 26 | Please clarify if DEPED expects the modem to support S2 and S2X both, as this will provide flexibility and investment protection with the | Modem Specifications |

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| | support for multiple technologies within the same modem. | Network Topology: DVB-S2*/S2X* with Adaptive TDMA Returns |
| 27 | Downstream/Upstream, all modulation types are listed, meaning any type can qualify in this bid? | Modem 1. Network Topology: DVB-S2*/S2X* with Adaptive TDMA Returns 2. Modulation |
| 28 | Please clarify if DEPED requires all the modulations to be supported by the modem. The key benefit is with the current hardware, the higher modulations brings the investment protection for working with High throughput Satellites in future which brings higher efficiencies and thus provide an option for Higher Data Rates with the offered modem. | Modem Specifications Downstream DVB-S2X*/ACM DVB-S2*/ACM QPSK, 8PSK, 16APSK, 32APSK, 64APSK, 128APSK, 256APSK Upstream Adaptive TDMA BSPK, QPSK, 8PSK, 16QAM |
| 29 | Please clarify if the modem must support the highest Msps regardless of Modulation used. For ex. 100Msps @ 256APSK on the Downstream. The key benefit is with the current hardware, the higher modulations & Msps brings the investment protection & bandwidth efficiency for working with High throughput Satellites/Higher Data rates in future. | Modem Specifications Symbol Rates Downstream: 5 to 100 Msps, 1-45 Msps Upstream: 128 kbps to 7.5 Msps |
| 30 | The minimum requirement for the equipment and modem is listed to include a 8W BUC. We request that the specifications be consider of a minimum of a 2W BUC, up to a 8W BUC. In our experience with Ku-band in the Philippines, a 2W BUC minimum suffice to meet the requirements of the connectivity. Further to this, the current worldwide shortage of electronic components, including right now the shortage of power RF components is causing the RF amplifiers products such as 8W BUCs to have at least a 90 days lead time. | Minimum of 2W up to 8W. |
| 31 | The requirement of the BAC is a 90cm to 120cm antenna. We request the BAC to state the requirement to be that of a 120cm antenna. Based on the sidelobe specifications of a 90cm antenna, and the power of the BUC as well as the Ku-band Geosynchronous separation, a 120cm is the only candidate to avoid adjacent carrier interference on Ku-band satellites. | The antenna must be 120 cm. |
| 32 | The dimensioning of the capacity for the satellite is critical element of the costing. In the requirements this is not stated. It will be important to have this clearly stated per-site SLA, the INROUTE and OUTROUTE bit rates for each site. | The Peak Information rate and Minimum Information Rate for Outroute and Inroute shall be proposed by the bidder based on their optimal design. |
| 33 | The document requires that the provider of the Internet fiber (1Gbps) demonstrate and proof the "ownership" of the fiber plant. As with most ISPs and Value Added Service providers, we lease services from network companies for backhaul and Internet. As an ISP, we do not own the fiber backhaul. This requirement means that only the | Retain existing provision |

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| | Network Company (Telco) can comply to this requirement. | |
| 34 | There are insufficient details of the requirement of this data cache device. From the documents provided, the specifications indicate a web-cache server, however, during the pre-bid discussions, it was indicated that this device is intended for video playback? Is the intention of this device for live TV broadcast? Or file pushed downloaded playback? There are implications for video broadcast if the DEPED is intending to use the VSAT HUB for multicast use. Please share further details of the functionality and use of the "data-cache" device. | Datacasting is required to locally store educational materials for local access at the remote to free up the bandwidth for other applications. Multicast is required , the remote datacast receiver should be able to provide this service. |
| 35 | Technical Specifications - Integrated Outdoor Unit (Remotes) Input DC Voltage: +18V to +60V Change Required: Input DC Voltage: Anything Within range of +18V to +60 V Justification BUC's 6W and below do not require 60V. | Input DC Voltage: +18V to 30V |
| 36 | Change Required: Operational Temp Range to be changed to: -40°C to +55° C (Storage Temp Range is -40° C to +75° C) Justification The leading outdoor unit manufacturers (NJRC-JAPAN) supply outdoor Tx units with a typical Operational Temperature range -40°C - +55°C. These units are field proven with over 500,000 units already deployed worldwide & many in Philippines. | Operational Temp Range -40°C to +55° C |
| 37 | Datacast receiver/cache is very limited in scope: • The network capability specified is aimed at facilitating the viewing of transmitted lessons, but is not suitably specified to be able to utilize the internet for transformative independent e-Learning activities | The Data Cast Receiver is just part of the remote, the VSAT Modem provides other services such as internet access. |
| 38 | Please clarify that required 1GB bandwidth is 1 Giga-bps or 1 Giga-Bytes. | Gigabits per second (Gbps) |
| 39 | Does the multiplexer stated here is also modem not a switch? | Subscription must include modem, or multiplexer that will convert the last mile facility (wired or wireless) to Ethernet or Fast Ethernet. Must include all necessary cables and/or peripherals/incidentals to interconnect and operate all equipment, and deliver working system |
| 40 | Please specify the allocated bandwidth per VSAT site in detail. If you can also provide a specific speed (in Mbps) requirement per VSAT site. | Must provide dedicated 1Gbps bandwidth for a period of 12 months for the Data Center to DepEd Central Office |

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| 41 | <p>Please clarify what you mean by “Must provide Must provide dedicated 1 GB bandwidth for a period of 12 months for the VSAT Hardware”</p> <ul style="list-style-type: none"> Is DepEd requiring 1GB total downloadable content in a month? Or is this a 1Gbps throughput requirement? Please clarify. | The 1Gbps capacity is a terrestrial facility to connect the DepEd Central Office, the Data Center and the Hub Services required for the remote VSAT. |
| 42 | <p>What is the total Mbps required per site? What is the DL/UL Mbps per site? Please clarify.</p> <ul style="list-style-type: none"> What is the DL/UL ratio? Can we use 4:1 ratio? Is there a CIR target/MIR target per site? | A 36 mhz transponder shall be the minimum size. The Peak Information rate and Minimum Information Rate for Outroute and Inroute shall be proposed by the bidder based on their optimal design. |
| 43 | <p>What is the activation factor for the network? Can we assume 40% of sites (out of 2,000 sites) would be active at any given point in time?</p> | |
| 44 | <p>What type of traffic would be carried audio, video, email over the internet. If it’s mixed traffic, can DepEd specify the percentages?</p> | All types of traffic |
| 45 | <p>Under Support services, does the response time on each Severity level also means the restoration time?</p> | Not necessarily |
| 46 | <p>Are the DVD’s required, or flash drives can be used instead?</p> | DVD or Flash Drives |
| 47 | <p>For “Section VII. Technical Specification-General Requirements and Specifications”, it says:</p> <p>1.5 The Contractor must have at least a PCAB License of AAA Small B for Communication Facilities. It must be valid upon bid submission. In case of Joint Venture (JV), a Special PCAB License is required for JV, and all JV partners must secure a PCAB License. For Satellite Services, do we still need to submit PCAB license considering there are no constructions involved?</p> | 1.5 The Contractor must have at least a PCAB License of AAA Small B for Communication Facilities. It must be valid upon bid submission. In case of Joint Venture (JV), atleast one member of the JV must have a PCAB License of AAA Small B for Communication Facilities" |
| 48 | <p>1.6 The bidder must provide an NTC certification that they are a Tier 1 ISP Furthermore, the bidder must also be a grantee of NTC authority to establish, install, operate and maintain a nationwide wired and wireless broadband network in the Philippines.</p> <p>Can the bidder provide NTS VAS Certification if they don’t have the NTC Certification for Tier 1 ISP?</p> | 1.6 The bidder must provide an NTC certification that they are a Tier 1 ISP Furthermore, the bidder must also be a grantee of NTC authority to establish, install, operate and maintain a nationwide wired and wireless broadband network in the Philippines. |
| 49 | <p>1.7 The bidder must have a congressional franchise to construct, install, establish, operate and maintain telecommunications systems throughout the Philippines.</p> <p>Furthermore, the bidder must show proof that it has the capability to provide nationwide coverage with the corresponding infrastructure within twelve (12) months from the date of issuance of the Notice to Proceed</p> <p>For Lot 1 is Congressional Franchise still necessary, normally satellite services only provide VAS license?</p> | 1.7 The bidder must have a congressional franchise to construct, install, establish, operate and maintain telecommunications systems throughout the Philippines. Furthermore, the bidder must show proof that it has the capability to provide nationwide coverage with the corresponding infrastructure within twelve (12) months from the date of issuance of the Notice to Proceed |
| 50 | <p>1.9 The bidder must certify that its domestic operating network can provide national coverage or the capability to provide national coverage within</p> | 1.9 The bidder must certify that its domestic operating network can provide national coverage or the capability to provide national coverage |

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| | <p>twelve (12) months from the time of issuance of Notice to Proceed.</p> <p>Do we need to integrate the servers for the point of presence from DEPED (co-location)?</p> | within twelve (12) months from the time of issuance of Notice to Proceed. |
| 51 | <p>1.10 The bidder must establish Carrier Ethernet professional expertise by providing a certification that its network platform is compliant to the latest MEF Carrier Ethernet (2.0).</p> <p>Is it really a requirement to provide an MEF Carrier Ethernet Certification?</p> | 1.10 The bidder must establish Carrier Ethernet professional expertise by providing a certification that its network platform is compliant to the latest Metro Ethernet Forum (MEF) Carrier Ethernet (2.0). |
| 52 | <p>For “Section VII. Technical Specifications”, it says:</p> <p>Item 5. The bidder must have the capability for a network support for full/partial restoration of the network in the event of the failure of Primary Teleport HUB due to any natural disaster. Back-up Teleport should have a distance of at least 50 KMS from the main Teleport.</p> <p>Is a Back-up Teleport really required?</p> | No Back-up teleport will be required. |
| 53 | <p>Implementation Requirements Item 1.a</p> <p>All local government permits, if required, will be the responsibility of the bidder.</p> <p>What type of local government permit is required?</p> | All local government permits, if required, will be the responsibility of the bidder. |
| 54 | <p>Checklist of Requirements</p> <p>Congressional Franchise</p> <p>I have attached herewith copies of the invitation to bid from UNDP PIPOL KONEK for 3000 VSAT sites and DICT Project GIDA for 1,035 VSAT sites both for VSAT Broadband Internet Project. In both tenders there was no requirement for Congressional Franchise and PCAB License from bidders. Request to be amended.</p> | Retain existing provision |
| 55 | <p>Checklist of Requirements</p> <p>PCAB license of AAA Small B for communication facilities</p> <p>On both no PCAB license were not required from the bidders and an ISP registered to NTC will suffice as qualification of the service providers. Please refer to Section 6 last paragraph of RA 10929 and section 1 and 2 of EO 127. Request to be amended.</p> | Retain existing provision |
| 56 | <p>Eligibility requirements</p> <p>We request to please omit the following documents as we believe these documents don't really necessary for evaluation of bidders' eligibility and have no relation to the project itself regardless of the Lot being bid for:</p> | Retain existing provision |

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| | <p>Lot 1:</p> <ol style="list-style-type: none"> 1. PCAB License 2. Tier 1 Provider Certificate issued by NTC 3. Congressional Franchise Certificate 4. Bidder's must own and operate a data center facility 5. MEF Carrier Ethernet Certificate <p>Lot 2:</p> <ol style="list-style-type: none"> 1. NTC License to Operate 2. MEF Certificate | |
| 57 | <p>Is DepEd looking for a backup teleport to switch the RF only or complete network? The required 50 kms distance between Primary & Back-up teleport is too short if we consider the natural disaster like earthquake or typhoon. Any natural disaster affects quite a large land mass may be few 100 kms. So, we request DepEd to change this distance to ≥ 500 kms in order to achieve the desired goal of providing higher availability at the time of natural disaster.</p> | <p>No Back-up teleport will be required.</p> |
| 58 | <p>Data cast Receiver/Cache Hardware</p> <ul style="list-style-type: none"> ● Remote data cast cache server shall have the minimum specification <ul style="list-style-type: none"> ○ Memory 4GB ○ Internal Storage 64GB eMMC ○ Wireless Connectivity 802.11ac Dual-Band Wi-Fi ○ Bluetooth 4.2 ○ Operating System Ubuntu 18.04.1 ○ Video Output HDMITM 1.4 (4K @ 30Hz) ○ Audio Output HDMITM 1.4 3.5mm audio jack ○ Audio Input 3.5mm audio jack ○ Peripheral Interfaces <ul style="list-style-type: none"> ■ RJ-45 Gigabit Ethernet ■ Micro SD card reader ■ USB 2.0 port x 3 ■ USB 3.0 port x 1 ○ Kensington lock ready <p>Please clarify the use case of this appliance and implementation scenario. Also, for what purpose this appliance will be used?</p> | <p>Datacasting is required to locally store educational materials for local access at the remote to free up the bandwidth for other applications. Multicast is required, the remote datacast receiver should be able to provide this service.</p> |